

ABSTRACT OF THE DISCLOSURE

Battery and solar cell powered health glasses monitor the condition of a heart's vital signs. Light emitting diodes (LED's) emit light into human temples. Photodiodes capture light reflected back from the pulsing blood. The amount of reflected light corresponds to the pulse rate. Embedded circuitry cleans and amplifies the signals, which are transmitted to light emitters located in the glasses. The same signals may be transmitted to a remote receiver to be processed and/or stored. Rhythm and shape of the pulse rate, processed on a home computer and available to doctors via the Internet, indicates heart condition. The circuits provide signal triangulation verification and warning lights. The sensors may be located any place on the body, i.e. wrist bands, chest, head, etc. A transmitter sends signals to the circuitry on the glasses to display reading information and lights about heart condition, pulse rate and blood pressure. Circuits on the glasses process and display electrical signals, pressure signals, pulse rate signals and combinations thereof.